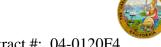
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES Office of Structural Materials

Quality Assurance and Source Inspection

Bay Area Branch 690 Walnut Ave.St. 150 Vallejo, CA 94592-1133 (707) 649-5453 (707) 649-5493



Contract #: 04-0120F4

Cty: SF/ALA Rte: 80 PM: 13.2/13.9

File #: 69.28

WELDING INSPECTION REPORT

Resident Engineer: Pursell, Gary **Report No:** WIR-002036 Address: 333 Burma Road **Date Inspected:** 14-Jan-2008

City: Oakland, CA 94607

OSM Arrival Time: 1500 **Project Name:** SAS Superstructure **OSM Departure Time:** 2300 **Prime Contractor:** American Bridge/Fluor Enterprises, a JV

Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name: CWI Present: Yes No Fu Guogang **Inspected CWI report:** Yes N/A **Rod Oven in Use:** Yes No No N/A N/A **Electrode to specification:** Yes No Weld Procedures Followed: Yes No N/A N/A **Qualified Welders:** Yes No **Verified Joint Fit-up:** Yes No N/A N/A Yes No N/A **Approved Drawings:** Yes No **Approved WPS:** Yes No N/A **Delayed / Cancelled:**

34-0006 **Bridge No: Component:** Tower Mock-Ups

Summary of Items Observed:

The Caltrans Quality Assurance Inspector (QA), M. Paul Stovall, was present at Zhenhua Port Machinery Company (Z. P. M. C.), Changxing Island, Shanghai, China for the purpose of monitoring fabrication of the SAS/San Francisco/Oakland Bay Bridge.

77-meter Mock-Up, Z. P. M. C. Personnel rotated and relocated the Mock-Up to continue work on other locations of the Mock-Up.

89-meter Mock-Up—This Mock-Up, has been moved to the new Tower Shop.

Z. P. M. C, Welders, Li Mengqian—054460, Lei Lichao—0531619, and Li Zhaoqian—048810, welded weld number MUB-MA21-D/7-3A, using Welding Procedure Specification (WPS)-B-T-2232-Tc-U5f. The QA Inspector recorded the following parameters at different times: 322 amps, 31.2 volts, and 319 amps, 30.5 volts. Two welders were using one machine, and the third, was using a separate machine. Welder Tan Xiang ho—066459—MUB-MA21-A/J-11, using WPS-B-T-2113, and MUB-MA21-G/J-11. The QA Inspector checked and recorded, the following WPS variables at different times: 162 amps, and 157 amps.

Summary of Conversations:

No pertinent conversations took place.

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mazen Wahbeh, (818) 292-0659, who represents the Office of Structural Materials

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

for your project.

Inspected By: Stovall, Paul Quality Assurance Inspector

Reviewed By: QA Reviewer Cochran,Jim